



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/509,767

DATE: 10/08/2004
TIME: 11:43:06

Input Set : A:\X15478 National.ST25.txt
Output Set: N:\CRF4\10082004\J509767.raw

3 <110> APPLICANT: Jaskunas, Stanley Richard
 4 Li, De-Shan
 5 Liu, Ling
 6 Zeng, Wei
 8 <120> TITLE OF INVENTION: Use of Resistin to Treat Hematopoietic Disorders
 10 <130> FILE REFERENCE: X15478
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/509,767
 C--> 12 <141> CURRENT FILING DATE: 2004-09-28
 12 <160> NUMBER OF SEQ ID NOS: 14
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 327
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Homo sapiens
 21 <220> FEATURE:
 22 <221> NAME/KEY: misc_feature
 23 <222> LOCATION: (1)..(327)
 24 <223> OTHER INFORMATION: Human Resistin Polynucleotide
 27 <400> SEQUENCE: 1
 28 atgaaagctc tctgttcctt cccctccctt gtcctggggc tgttgggtgc tagcaagacc 60
 30 ctgtgttcca tggaaaaggc catcaatggag aggttccagg aggtcgccgg ctccctaata 120
 32 tttagggcaa taagcagcat tggcctggag tgccagagcg tcacctccag gggggacactg 180
 34 gctacttgcc cccgaggctt cgccgtcacc ggctgcactt gtggctccgc ctgtggctcg 240
 36 tggatgtgc gcgccgagac cacatgtcac tgccagtgcg cgggcatgga ctggaccgga 300
 38 gcgctgtctt gtcgttgca gccctga 327
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 108
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Homo sapiens
 46 <220> FEATURE:
 47 <221> NAME/KEY: MISC_FEATURE
 48 <222> LOCATION: (1)..(108)
 49 <223> OTHER INFORMATION: Human Resistin Polypeptide
 52 <400> SEQUENCE: 2
 54 Met Lys Ala Leu Cys Leu Leu Leu Pro Val Leu Gly Leu Leu Val
 55 1 5 10 15
 58 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
 59 20 25 30
 62 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
 63 35 40 45
 66 Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
 67 50 55 60
 70 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser

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71	65	70	75	80
74	Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met			
75		85	90	95
78	Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro			
79		100	105	
82	<210> SEQ ID NO: 3			
83	<211> LENGTH: 90			
84	<212> TYPE: PRT			
85	<213> ORGANISM: Homo sapiens			
87	<220> FEATURE:			
88	<221> NAME/KEY: MISC_FEATURE			
89	<222> LOCATION: (1)..(90)			
90	<223> OTHER INFORMATION: Mature Human Resistin Polypeptide			
93	<400> SEQUENCE: 3			
95	Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile Gln Glu			
96	1	5	10	15
99	Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Leu Glu			
100		20	25	30
103	Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg Gly			
104		35	40	45
107	Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp Asp			
108		50	55	60
111	Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp Trp			
112	65	70	75	80
115	Thr Gly Ala Arg Cys Cys Arg Val Gln Pro			
116		85	90	
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120	<211> LENGTH: 108			
121	<212> TYPE: PRT			
122	<213> ORGANISM: Homo sapiens			
124	<220> FEATURE:			
125	<221> NAME/KEY: MISC_FEATURE			
126	<222> LOCATION: (1)..(108)			
127	<223> OTHER INFORMATION: Human Resistin Allelic Variant			
130	<400> SEQUENCE: 4			
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133	1	5	10	15
136	Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile			
137		20	25	30
140	Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly			
141		35	40	45
144	Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro			
145		50	55	60
148	Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser			
149		65	70	80
152	Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met			
153		85	90	95
156	Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro			
157		100	105	

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Input Set : A:\X15478 National.ST25.txt
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160 <210> SEQ ID NO: 5
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162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <220> FEATURE:
166 <221> NAME/KEY: MISC_FEATURE
167 <222> LOCATION: (1)..(108)
168 <223> OTHER INFORMATION: Human Resistin Allelic Variant
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174 1 5 10 15
177 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
178 20 25 30
181 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
182 35 40 45
185 Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
186 50 55 60
189 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
190 65 70 75 80
193 Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
194 85 90 95
197 Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
198 100 105
201 <210> SEQ ID NO: 6
202 <211> LENGTH: 108
203 <212> TYPE: PRT
204 <213> ORGANISM: Homo sapiens
206 <220> FEATURE:
207 <221> NAME/KEY: MISC_FEATURE
208 <222> LOCATION: (1)..(108)
209 <223> OTHER INFORMATION: Human Resistin Allelic Variant
212 <400> SEQUENCE: 6
214 Met Lys Ala Leu Cys Leu Leu Leu Pro Val Leu Gly Leu Leu Val
215 1 5 10 15
218 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
219 20 25 30
222 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
223 35 40 45
226 Arg Gly Ser Glu Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
227 50 55 60
230 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
231 65 70 75 80
234 Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
235 85 90 95
238 Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
239 100 105
242 <210> SEQ ID NO: 7
243 <211> LENGTH: 107
244 <212> TYPE: PRT

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245 <213> ORGANISM: Homo sapiens
247 <220> FEATURE:
248 <221> NAME/KEY: MISC_FEATURE
249 <222> LOCATION: (1)..(107)
250 <223> OTHER INFORMATION: Human Resistin Allelic Variant
253 <220> FEATURE:
254 <221> NAME/KEY: MISC_FEATURE
255 <222> LOCATION: (48)..(48)
256 <223> OTHER INFORMATION: Xaa=Arg or Leu
259 <220> FEATURE:
260 <221> NAME/KEY: MISC_FEATURE
261 <222> LOCATION: (49)..(49)
262 <223> OTHER INFORMATION: Xaa=Gly or Glu
265 <220> FEATURE:
266 <221> NAME/KEY: MISC_FEATURE
267 <222> LOCATION: (50)..(50)
268 <223> OTHER INFORMATION: Xaa=Cys or Ser
271 <220> FEATURE:
272 <221> NAME/KEY: MISC_FEATURE
273 <222> LOCATION: (51)..(51)
274 <223> OTHER INFORMATION: Xaa=Gln or Glu
277 <400> SEQUENCE: 7
279 Met Lys Ala Leu Cys Leu Leu Leu Pro Val Leu Gly Leu Leu Val
280 1 5 10 15
283 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Gln
284 20 25 30
W--> 287 Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Xaa
288 35 40 45
291 Xaa Xaa Xaa Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg
292 50 55 60
295 Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp
296 65 70 75 80
299 Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp
300 85 90 95.
303 Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
304 100 105
307 <210> SEQ ID NO: 8
308 <211> LENGTH: 39
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Synthetic Construct
315 <400> SEQUENCE: 8
316 gatcggcgcg ccagccacca tgaaagctct ctgtctcct 39
319 <210> SEQ ID NO: 9
320 <211> LENGTH: 29
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:

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325 <223> OTHER INFORMATION: Synthetic Construct
327 <400> SEQUENCE: 9
328 cgcgatatacg ggctgcacac gacagcagc 29
331 <210> SEQ ID NO: 10
332 <211> LENGTH: 21
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Synthetic Construct
339 <400> SEQUENCE: 10
340 agccatcaat gagaggatcc a 21
343 <210> SEQ ID NO: 11
344 <211> LENGTH: 20
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Synthetic Construct
351 <400> SEQUENCE: 11
352 tcaggccaa tgctgcttat 20
355 <210> SEQ ID NO: 12
356 <211> LENGTH: 24
357 <212> TYPE: DNA
358 <213> ORGANISM: Artificial Sequence
360 <220> FEATURE:
361 <223> OTHER INFORMATION: Synthetic Construct
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367 <210> SEQ ID NO: 13
368 <211> LENGTH: 114
369 <212> TYPE: PRT
370 <213> ORGANISM: rattus sp.
372 <220> FEATURE:
373 <221> NAME/KEY: MISC_FEATURE
374 <222> LOCATION: (1)..(114)
375 <223> OTHER INFORMATION: Rat resistin protein
378 <400> SEQUENCE: 13
380 Met Lys Asn Leu Ser Phe Leu Leu Phe Leu Phe Phe Leu Val Leu
381 1 5 10 15
384 Gly Leu Leu Gly Pro Ser Met Ser Leu Cys Pro Met Asp Glu Ala Ile
385 20 25 30
388 Ser Lys Lys Ile Asn Gln Asp Phe Ser Ser Leu Leu Pro Ala Ala Met
389 35 40 45
392 Lys Asn Thr Val Leu His Cys Trp Ser Val Ser Ser Arg Gly Arg Leu
393 50 55 60
396 Ala Ser Cys Pro Glu Gly Thr Thr Val Thr Ser Cys Ser Cys Gly Ser
397 65 70 75 80
400 Gly Cys Gly Ser Trp Asp Val Arg Glu Asp Thr Met Cys His Cys Gln
401 85 90 95
404 Cys Gly Ser Ile Asp Trp Thr Ala Ala Arg Cys Cys Thr Leu Arg Val

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/08/2004
PATENT APPLICATION: US/10/509,767 TIME: 11:43:07

Input Set : A:\X15478 National.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 48,49,50 // 51

VERIFICATION SUMMARY
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Input Set : A:\X15478 National.ST25.txt
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:32
M:341 Repeated in SeqNo=7